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MINISTRY OF PUBLIC HEALTH

OPHTHALMIC SECTION

REPORT
FOR THE YEAR 1949

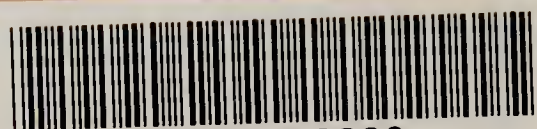


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Report on the Ophthalmic Section, 1949

New Units.

The following ophthalmic units have been approved in this year's budget :—

(a) Ophthalmic branches: Inshas, Abu-el-Matamir and the extension of ophthalmic treatment at Mallawi.

(b) A project for five ambulatory units in motor-cars for the treatment of ophthalmias.

Clinical Work.

A comparison of the clinical work done in 1949 with that done in the previous year is shown in the following table :—

	1948	1949
New patients	1,208,209	1,287,666
In-patients	33,572	34,185
Out-patients	5,564,944	5,436,740
Operations	220,806	207,190
Number of out-patient visits ...	6,806,942	6,774,156

Blindness .

The number of cases of blindness including cataract cases was 41,234 (ratio percentage : 3) ; while the number of cases of blindness excluding cataract cases was 38,360 (ratio percentage : 2·8).

Other Services .

1.—The medical officers of the Section pay regular visits to the following institutions and hospitals for the examination and treatment of ophthalmic cases :—

(a) Leprosy Hospitals at Sioufia and Abu-Zaabal.

(b) Mental Diseases Hospitals at Abbassia and Khanka.

(c) Fever Hospitals at Abbassia and Imbaba.

(d) Convalescent Hospitals at Marg.

(e) Children's Preventorium at Marg.

(f) Children's Preventorium at Giza.

(g) Mataria Dispensary.

2.—During pilgrimage a medical mission including two ophthalmologists is sent to Higaz for the examination and treatment of pilgrims at Mecca and Medina.

3.—Ophthalmic medical officers of other administrations are accepted to work at ophthalmic hospitals to enlarge their knowledge and enable them to keep pace with recent advances and to practise performing different ophthalmic operations. The Section also provides the ophthalmic units in other ministries and departments with surgeons who received their training in hospitals of the Section.

4.—Assistant midwives and health visitors of the rural health centres are also trained in the various hospitals of the Section so as to be furnished with sufficient knowledge on the treatment and the aetiology of the prevalent eye conditions, especially the ophthalmias, and to teach the villagers the preliminaries of ocular hygiene and prophylaxis.

Post Graduate Course.

Every year the Section organises post graduate instructions for its new medical officers who study for the Diploma in Ophthalmic Medicine and surgery at Foad I. University.

Keratoplasty of the Cornea.

This operation was done for the first time in 1949. Some hospitals have been provided with the various instruments and necessary refrigerators. Prof. Castroviejo at the invitation of Foad I University came to Egypt, performed a few operations and delivered some lectures which were of great benefit to all the ophthalmologists who attended them. Several operations were done after Prof. Castroviejo's technique, some of which were successful. This operation, however, is still at its preliminary stage and the results are, therefore, not conclusive.

Nursing Staff.

The Section is going ahead with its policy of replacing male attendants with nurses, as much as the budget permits until nursing will be fully carried out by female nurses in all the ophthalmic units.

Accommodation in Ophthalmic Hospitals.

The number of beds in all units is 2,232. The Ministry is endeavouring to increase in-patient accommodation ; an increase of 87 beds has been approved in this year's budget.

Ophthalmic Library.

The Section has a circulating library which is kept provided with old and most recent books and monograms on ophthalmology. Surgeons are thus kept in touch with all recent advances in ophthalmology, their standard is consequently raised. This library is located at Rod-el-Farag Ophthalmic Hospital, and contains also many current journals on ophthalmology. Important books are furnished in extra copies so as to facilitate their circulation to the surgeons.

Apparatus and Instruments.

The Ministry takes special interest in providing ophthalmic units with modern instruments and appliances to enable them to keep pace with ophthalmic development.

Director Ophthalmic Section.

A. F. ABBASI

TABLE 1.—WORK DONE

1. IN-PATIENTS : TOTAL NUMBER ...	34,185	IX.—Spectacles ordered ...	2,599
Number of diets issued ...	658,999	X.—Constant wash case (number of days treat.) ...	1,711,640
2.—OPERATIONS :		3. OUT-PATIENTS (<i>continued</i>) :—	
I. Major :—		XI.—Ages of patients examined :	
(a) Senile Cataract ...	1,272	Under one year ...	117,137
(b) Soft Cataract ...	254	From . 1 to 5 years ...	163,779
(c) Trichiasis or entropion ...	53,281	„ 6 to 10 „ ...	123,937
(d) Other operations ...	13,504	„ 11 to 15 „ ...	118,038
TOTAL ...	68,311	„ 16 to 20 „ ...	97,946
II.—Minor (including mechanical treatment of Trachoma) ...	138,879	„ 21 to 25 „ ...	103,758
Grand Total, major and minor operations ...	207,190	„ 26 to 30 „ ...	106,914
3. OUT-PATIENTS :—		„ 31 to 35 ...	94,087
I.—Incurable (1) ...	1,504	„ 36 to 40 „ ...	82,809
II.—Postponed ...	48,246	„ 41 to 45 „ ...	75,157
III.—Tickets issued, <i>i.e.</i> new cases	1,287,666	„ 46 to 50 „ ...	61,308
IV.—Old cases ...	5,436,740	„ 51 to 55 „ ...	47,294
V.—Visits made by patients to hospital for treatment ...	6,774,156	„ 56 to 60 „ ...	38,754
VI.—Average number of visits made to hospital by each patient under regular treatment ...	5.3	„ 61 to 65 „ ...	26,679
VII.—Discharges :—		„ 66 to 70 „ ...	19,327
(a) Cured ...	390,855	Over 70 years ...	10,742
(b) Relieved ...	318,514	TOTAL (equal tickets issued)...	1,287,666
(c) Incurable (2) ...	663	XII.—Origin of patients :	
(d) Spontaneously ceased to attend after having attended only once ...	487,669	Patients from :—	
(e) Spontaneously ceased to attend after having attended more than once ...	182,413	(a) Town in which hospital is situated ...	608,861
VIII.—Trichiasis cases seen among new out-patients :—		(b) Markaz in which hospital is situated ...	514,053
(a) No previous operation having been performed ...	52,441	(c) Other Markazes of same Mudi- diriya ...	117,733
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan).	4,130	(d) Other Mudiriyas or Gover- norates ...	47,019
		TOTAL (equal tickets issued)...	1,287,666

TABLE 2.—WORK DONE

Ametropia :—		Eyelids :—	
Hypermetropia	1,459	Pediculus ciliaris	4,226
Myopia	2,464	Trichiasis and entropion	58,747
Astigmatism	1,515	Distichiasis	428
Presbyopia	865	Ectropion	1,122
Conjunctiva :—		Lagophthalmos	2,058
Conjunctivitis, Gonococcal	79,679	Blepharitis... ..	149,345
„ Morax-Axenfeld	16,503	Hordeolum	3,224
„ Koch-Weeks	53,010	Wart	866
„ Pneumococcal	6,997	Chalazion	5,427
„ Diphtheritic	349	Eczema	3,500
„ Membranous	344	Rodent ulcer	45
„ other organisms or negative and unclassified	54,647	Dermoid	58
Trachoma 1	114,605	Ptosis	798
„ 2 a	153,864	Erysipelas	5
„ 2 b'	32,674	Herpes	185
„ 2 b''	9,333	Chancre	4
„ 2 c	16,186	Epithelioma	14
„ 3 including post-tracho- matous degeneration	662,825	Other tumours	77
„ 4 including post-tracho- matous degeneration	75,742	Leucodermia	70
Phlyctenule	65,614	Injuries and abscesses	2,553
Pterygium	7,223	Lacrimal Apparatus :—	
Pinguecula	4,861	Lacrimal fistula	666
Xerosis	6,355	Stenosis of the duct	515
Symblepharon	468	Dacryocystitis, acute	470
Dermoid	44	Dacryocystitis, chronic	5,377
Other conditions :—		Cyst of lacrimal gland	56
Argyrosis	4,869	Cornea :—	
Colloid & hyaline degeneration	341	Ulceration, simple	57,755
Hypertrophied caruncle	769	„ hypopyon	3,098
Injuries (foreign bodies, burn, etc.).	2,268	„ perforation	3,184
Cyst	563	„ special forms	1,659
Fibroma	31	Pannus	59,569

TABLE 2 (*continued*)—WORK DONE

Cornea (<i>continued</i>):—				Disseminated choroiditis 28			
Keratitis, interstitial	560	Choroido retinitis 31					
„ trachomatous	48,352	Atrophy of choroid 139					
Nebula or Leucoma... ..	276,125	Tumours —					
Adherent Leucoma	35,282	Albinismus 53					
Totally opaque cornea	11,342	Retina :—					
Staphyloma	6,793	Retinitis, albuminuric & diabetic ... 71					
Xerosis of Cornea	2,460	„ syphilitic 61					
Abscess of Cornea	89	„ pigmentosa... .. 26					
Conical Cornea (congenital)	128	Detachment of retina 81					
Keratiectasia	1,961	Embolism and thrombosis of retinal vessels 4					
Injuries (burn, foreign bodies, etc.).	3,968	Glioma 10					
Limbus :—				Other conditions 19			
Tumours	21	Night blindness (in which retinitis pigmentosa is absent) 488					
Dermoid	3	Optic Nerve :—					
Epithelioma	9	Neuritis 45					
Iris :—				Atrophy (see table of causes of optic atrophy) 115			
Anterior Synechia	5,605	Opacuen erve fibres 10					
Posterior Synechia	3,959	Other conditions 7					
Inflammation	1,467	Lens :—					
Iris bombé	72	Cataract, senile 3,538					
Irido-dialysis	51	„ soft 482					
Congenital coloboma	22	„ traumatic 130					
Aniridia	3	„ lamellar 69					
Persistent pupillary membrane ...	42	„ anterior polar 1,516					
Iridodonesis	672	„ posterior 269					
Various	87	„ dislocated, traumatic ... 104					
Sclerotic :—				„ „ operative ... 20			
Ciliary staphyloma	1,983	„ „ congenital ... 14					
Episcleritis	111	Aphakia 1,335					
Injuries	87	Secondary cataract 629					
Choroid :—				Ectopia Lentis 1			
Coloboma	1						
Rupture	2						

TABLE 2. (*concluded*)—WORK DONE

Vitreous :—		Globe :—	
		Shrunken globe... ..	15,220
Opacities	510	Buphthalmos	31
Foreign bodies	28	Exophthalmic goitre	8
Muscles :—		Panophthalmitis	262
		Microphthalmos	22
Strabismus, alternating	2,992	Anophthalmos	1
„ convergent	19,147	Injury	100
„ divergent	14,071	Orbit :—	
Heterophoria	290	Tumours	11
Nystagmus	2,142	Cellulitis	24
Paralysis	96	Tenonitis	3
Glaucoma :—		Periostitis	3
		Injuries	14
Primary, acute	522	Cyst, frontal	2
„ sub-acute	1,259	Cyst, ethmoidal	3
„ chronic	3,625	Contracted socket	97
Secondary	6,458	Fly-blown	7

TABLE 3.—CAUSES OF OPTIC ATROPHY

Optic Atrophy :—			
A.—(1) Primary :—			
The spinal diseases causing the condition are :—		(b) Acute fevers (including syphilis & rheumatism	18
G.P. 1	—	(c) Intoxications (alcohol, lead).	—
Tabes	—	(d) Nervous diseases (disseminated sclerosis, chronic retro-bulbar neuritis may be caused by tobacco, alcohol diabetes iodoform, opium, etc.	—
Disseminated sclerosis	—		
Lateral sclerosis	2		
Spastic paraplegia	—	B.—Post-neuritic :—	
Lebers hereditary optic atrophy	—	The causes of optic neuritis, all of which may be followed by post neuritic atrophy, are as follows :	
Congenital optic atrophy	2	(a) Sepsis (dental, periostitis, middle ear accessory sinuses) ...	4
Unknown	17	(b) Acute fevers (including syphilis and rheumatism)	29
It may also be caused by :—		(c) Intoxications (kidney disease and diabetes, alcohol, felix-mas)	1
Arterio sclerosis	2	(d) Nervous diseases : Diss, sclerosis, G.P. 1, epilepsy ...	6
(2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile of bony fracture may produce, optic atrophy of a primary type	1	(e) Anaemia	22
(3) Retro-bulbar Neuritis :—		(f) Unknown	—
The acute form causes atrophy of the optic nerve primary in type, not infrequently :—			
(a) Sepsis (dental, periostitis middle ear)	11	TOTAL : (Atrophy, page 7) ... 115	

TABLE 4.—LIST OF OPERATIONS

<i>Eyelids :—</i>		<i>Cornea :—</i>	
For trichiasis & entropion :—		Foreign body removed (minor)	2,604
Snellen's	48,604	Seemisch's Section	62
Anagnostakis	38	Cautery	329
Conthoplasty	186	Various	80
Snellen-Anagnostakis	1,280		
Grafting Mucous Membrane ...	2,743	<i>Iris :—</i>	
Electrolysis (minor)	2,525	Iridectomy for adherent leucoma	962
Excision of lash (minor)	2,091	„ visual	270
Other operations	379	„ for glaucoma	571
		„ preliminary for Cataract	227
For Ectropion :—		Cystoid cicatrix	17
Plastic	36	Division of anterior synechia ...	1
Mac Callan's	—	Various	55
Kenneth Scott's	3	Corneal graft	7
Kuhnt's	7		
Other operations	20	<i>Lacrimal Sac :—</i>	
For Ptosis	32	Excision	3,361
For Symblepharon	54	Various (minor)	661
For hordeolum and chalazion (minor)	4,771		
Cyst removed	252	<i>Lens :—</i>	
Wart excised (minor)	331	For senile cataract :—	
Restitching wounds (minor) ...	119	Extraction with iridectomy	1,072
Opening abscesses (minor)	1,204	„ after previous iridectomy	205
Various... ..	234	For membrane after extraction	
		Discission	179
<i>Conjunctiva :—</i>			
For trachoma :—		For soft cataract :—	
Expression or Mechanical Treatment	76,711	Extraction	24
Combined excision of Heisrath...	464	Discission	50
Post-trachomatous degeneration	47,553	Curette evacuation	191
Other operations { minor ...	309	Paracentesis	15
{ major ...	302	For membrane after evacuation :—	
Pterygium	4,263	Discission	23
		Capsulotomy	9

TABLE 4 (continued)—LIST OF OPERATIONS

<i>Globe :—</i>		For dermoid	23
		For cellulitis	20
Trephining of Cornea-Sclera with iridectomy	756	For cyst, frontal	—
Trephining	109	„ ethmoidal	—
Excision	235	Tenotomy and advancement ...	12
Evisceration	218	Other major operations	13
Paracentesis	285	Trial with magnet :—	
		Positive	4
<i>Orbit :—</i>		Negative	4
Exenteration	22		
For tumour	3	TOTAL(= total number of major and minor operations page (1) ...	207,190

TABLE 5.—NUMBER OF NEW PATIENTS TREATED AT ALL OPHTHALMIC HOSPITALS DURING 1949

Hospitals	Number	Hospitals	Number	Hospitals	Number
No. 1... ..	33,780	Edfina	5,803	El Wasta	9,033
„ 2... ..	4,544	Samalut	18,596	Dairut	10,518
„ 3... ..	—	Kafr el Sheikh ...	9,982	Shebin el Qanater	10,805
„ 4... ..	5,106	Manshat Sabry ...	7,020	Belbeis	7,087
„ 5... ..	2,165	El Khalifa	52,477	El Fashn	19,449
„ 6... ..	6,968	Zefta	9,761	El Baliana	10,558
„ 7... ..	9,846	Tahta	13,088	Qus	5,470
„ 8... ..	9,191	Manfalut	13,452	Shubrakhît	2,475
„ 9... ..	18,348	Sennoires	13,338	Ekhmim	11,569
„ 10... ..	3,993	Abu Kabeer	1,724	Naga-Hammadi ...	8,579
„ 11... ..	666	Damietta	12,509	Beba	11,604
„ 12... ..	6,329	Suez	23,601	Kafr el Dawar ...	8,771
„ 13... ..	7,141	Kom-Hamada	5,545	Deshna	8,214
„ 14... ..	9,748	Mallawi	17,133	El Badary	7,947
„ 15... ..	5,077	Mit Ghamr	9,867	Samannud	11,772
Tanta	26,813	El Fekria	16,986	Bani Mazar	9,285
Assiut	10,652	Aswan	12,529	Sahil Seleem	5,575
El Mansura	22,629	El-Tieba	13,452	Ismailia	13,069
Beni-Suef	31,379	Esna	9,654	Faraskur	7,175
El-Zagazig	13,798	Desuq	12,475	Minia el Qamh ...	7,497
Damanhour	12,941	Luxor	10,981	Abu Teeg	9,031
Shebin el Kom ...	17,647	Kafr el Zayat	17,028	El Ayat	7,668
Sohag	23,050	Fuwa	4,386	Dekerness	7,514
Minia	15,917	Ashmun	9,000	Aga	3,622
El-Fayum	14,443	Menuf	12,166	Tema	8,641
Benha	11,440	Tala	7,249	Bulaq	17,726
Port Said	38,347	Rosetta	7,821	El Bagur	2,195
Qena	18,072	Faqus	8,934	Sobk El-Dahak... ..	3,375
Giza	56,540	Girga	18,976	Etsa	8,500
Maghagha	18,204	El Delingat	4,354	Zawiet el Naura ...	2,524
Rod El-Farag	84,543	El Saff	6,480	El Arish	—
Mataria	21,965	Edfu	8,615	Anshas	6,741
Santa	8,898	Sherbin	11,170	Qaliub... ..	7,038
Mahalla El Kobra ...	12,157	El Senbellawin	6,986	Kom-Ombo	8,363
				El Mataana	3,101

TABLE 6.—NUMBER OF OPERATIONS PERFORMED AT ALL OPHTHALMIC HOSPITALS DURING 1949

Hospitals				Number	Hospitals				Number	Hospitals				Number
No. 1	...	...	...	4,947	Edfina	...	...	...	1,062	El Wasta	...	...	...	1,694
„ 2	...	...	...	1,236	Samalut	...	...	...	2,681	Deirut	...	...	...	1,243
„ 3	...	...	...	—	Kafr El Sheikh	...	...	...	3,808	Shebin El Qanater	...	...	...	2,565
„ 4	...	...	...	1,036	Manshat Sabry	...	...	...	1,218	Belbeis	...	...	...	1,689
„ 5	...	...	...	4,77	El Khalifa	...	...	...	3,513	El Fashn	...	...	...	2,791
„ 6	...	...	...	1,809	Zefta	...	...	...	1,882	El Baliana	...	...	...	2,462
„ 7	...	...	...	1,460	Tahta	...	...	...	2,597	Qus	...	...	...	981
„ 8	...	...	...	1,652	Manfalut	...	...	...	2,139	Shabrakhit	...	...	...	938
„ 9	...	...	...	1,841	Sennoures	...	...	...	2,747	Ekhmim	...	...	...	2,388
„ 10	...	...	...	953	Abou Kabir	...	...	...	1,223	Naga-Hammadi	...	...	...	1,677
„ 11	...	...	...	203	Damietta	...	...	...	2,195	Beba	...	...	...	2,567
„ 12	...	...	...	1,806	Suez	...	...	...	1,897	Kafr el Dawar	...	...	...	2,629
„ 13	...	...	...	1,497	Kom-Hamada	...	...	...	1,519	Dishna	...	...	...	681
„ 14	...	...	...	2,283	Mallawi	...	...	...	2,329	El Badary	...	...	...	1,042
„ 15	...	...	...	1,386	Mit Ghamr	...	...	...	3,656	Samannud	...	...	...	1,467
Tanta	...	...	...	4,127	El Fikria	...	...	...	2,346	Bani-Mazar	...	...	...	1,851
Assiut	...	...	...	2,502	Aswan	...	...	...	1,067	Sahel-Selim	...	...	...	795
El Mansura	...	...	...	3,408	El Tiaba	...	...	...	933	Ismailia...	...	...	...	1,538
Beni-Suef	...	...	...	5,151	Esna	...	...	...	2,236	Faraskur	...	...	...	1,480
El Zagazig	...	...	...	1,950	Desuq	...	...	...	1,878	Minia El Qamh	...	...	...	2,034
Damanhour	...	...	...	2,817	Luxor	...	...	...	3,220	Abu Tig	...	...	...	2,129
Shibin El Kom	...	...	...	4,509	Kafr El Zayat	...	...	...	2,572	El Ayat	...	...	...	1,215
Sohag	...	...	...	3,012	Fuwa	...	...	...	951	Dekerness	...	...	...	1,560
Minia	...	...	...	2,263	Ashmun	...	...	...	1,968	Aga	...	...	...	562
El Fayum	...	...	...	2,262	Menuf	...	...	...	2,375	Tema	...	...	...	2,940
Benha	...	...	...	1,814	Tala	...	...	...	2,483	Bulaq	...	...	...	1,958
Port Said	...	...	...	399	Rasetta	...	...	...	590	El Bagur	...	...	...	645
Qena	...	...	...	2,381	Faqus	...	...	...	806	Sobk EL-Dahak	...	...	...	905
Giza	...	...	...	7,474	Girga	...	...	...	4,792	Etsa	...	...	...	1,021
Maghagha	...	...	...	8,620	El Delingat	...	...	...	1,414	Zawiat El Naura	...	...	...	88
Rod El Farag	...	...	...	6,570	El Saff	...	...	...	646	El Arish	...	...	...	—
Mataria	...	...	...	3,294	Edfu	...	...	...	931	Anshas	...	...	...	—
Santa	...	...	...	2,085	Shirbin...	...	...	...	2,502	Qaliub	...	...	...	640
Mahalla el-Kobra	...	...	...	2,297	El Senbellawein	...	...	...	1,356	Kom-Ombo	...	...	...	1,942
										El Mataana	...	...	...	1,451

TABLE 7.—NEW PATIENTS TREATED

ACCORDING TO THE AGE AT WHICH THEY
SOUGHT TREATMENT DURING 1949

Age	Number
Under one year	117,137
From 1 to 5 years	163,779
„ 6 „ 10 „	123,937
„ 11 „ 15 „	118,038
„ 16 „ 20 „	97,946
„ 21 „ 25 „	103,758
„ 26 „ 30 „	106,914
„ 31 „ 35 „	94,087
„ 36 „ 40 „	82,809
„ 41 „ 45 „	75,157
„ 46 „ 50 „	61,308
„ 51 „ 55 „	47,294
„ 56 „ 60 „	38,754
„ 61 „ 65 „	26,679
„ 66 „ 70 „	19,327
Over 70 years	10,742
TOTAL	1,287,666

TABLE 8.—NEW PATIENTS TREATED PER MONTH

Month	Number
January	61,852
February	64,108
March	70,912
April	93,417
May	122,146
June	153,218
July	164,703
August	160,538
September	141,416
October	131,720
November	62,116
December	61,520
TOTAL	1,287,666

TABLE 9.—AVERAGE TEMPERATURE (THE AVERAGE TEMPERATURE WAS ARRIVED AT BY TAKING ONE PLACE IN LOWER EGYPT (GEMMEIZA), ONE PLACE IN CAIRO (GIZA) AND ONE PLACE IN UPPER EGYPT (ASSIUT) AND OBTAINING AN AVERAGE FIGURE FROM THE MEAN TEMPERATURE AT EACH PLACE ON EACH MONTH.)

Month	Gemmeiza	Giza	Assiut	Average
January	10·3	11·1	11·0	10·8
February	10·2	11·3	10·9	10·8
March	13·8	15·4	15·7	15·0
April	15·3	16·8	18·2	16·8
May	22·8	24·6	28·4	25·3
June	25·0	26·2	28·0	26·4
July	25·3	26·6	27·8	26·6
August	24·6	25·6	26·8	25·7
September	22·6	23·3	24·2	23·4
October	21·1	21·8	22·8	21·9
November	18·6	18·9	19·5	19·0
December	13·9	14·3	14·2	14·13

TABLE 10.—SYNOPSIS OF WORK AT ALL OPHTHALMIC HOSPITALS DURING 1949

	1947	1948	1949
<i>Hospitals in existence :—</i>			
Travelling	15	15	15
Permanent	89	89	87
New patients treated	1,102,994	1,203,209	1,287,666
Total attendance of out-patients	6,373,798	6,866,944	6,774,156
Operations performed	229,115	220,806	207,190
In-patients	32,250	33,572	34,185
<i>Details :—</i>			
Patients examined	1,154,488	1,241,998	1,331,904
Patients regularly treated	1,102,994	1,208,209	1,117,584
Incurable cases... ..	1,641	1,020	1,504
Blind in one eye	35,634	34,419	34,819
Blind both eyes	6,534	6,476	6,415
Trichiasis cases examined	44,046	55,832	56,571
Trichiasis eyes operated on and cured	58,115	57,687	53,281

TABLE 11.—CAUSES OF BLINDNESS

A.— <i>Congenital</i>	10
B.— <i>Acquired</i> :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity	11,184
(b) Shrunken globe	15,220
(c) Secondary glaucoma	5,583
(d) Other conditions	1,254
II.—Fundus :—	
(a) Optic atrophy	115
(b) Optic neuritis	34
(c) Retinitis pigmentosa	18
(d) Detachment of Retina... ..	64
(e) Other diseases of fundus	47
III. —Glaucoma, primary :—	
(a) Monocular (including absolute) 1396... ..	2,559
(b) Binocular (including absolute) 742	1,301
IV.—Injury	186
V.—Operation	49
VI.—Infectious diseases	21
VII. —Iritis endogenous	504
VIII. —Various	250
TOTAL (excluding cataract cases)	38,399
Cataract cases	2,874
GRAND TOTAL	41,273

TABLE 12.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES

Hospitals	1948	1949	Hospital	1948	1949	Hospitals	1948	1949
No. 1	3.11	2.47	Edfina	2.18	1.2	Wasta	5.81	2.8
„ 2	2.9	2.94	Samalout	4.76	3.8	Deirut	0.16	1.6
„ 3	4.58	—	Kafr el Sheikh ...	4.79	4.67	Shebin-el-Qanater	2.96	3.6
„ 4	—	0.22	Minshat Sabry ...	7.40	7.57	Belbeis	4.09	5.2
„ 5	5.14	8.09	Khalifa	4.7	4.9	Fashn	3.87	3.3
„ 6	6.4	1.04	Zefta	4.2	3.87	Baliana	2.83	2.1
„ 7	4.9	3.6	Tahta	4.8	4.95	Qus	5.7	3.00
„ 8	5.54	3.71	Manfalut	3.9	3.6	Shubrakheit ...	3.41	3.4
„ 9	4.2	—	Sinnures	2.58	2.6	Akhmim	3.23	2.9
„ 10	6.2	2.45	Abu-Kebir	3.7	2.85	Naga-Hammadi...	3.13	2.7
„ 11	3.4	2.1	Damietta	3.97	3.59	Beba	3.45	4.9
„ 12	2.5	5.2	Suez	1.82	1.54	Kafr el Dawar ...	5.19	5.1
„ 13	2.7	5.04	Kom Hamada ...	1.4	8.5	Dichna	1.79	2.5
„ 14	5.4	3.49	Mallawi	4.37	3.66	Badari	4.19	4.6
„ 15	0.3	6.52	Mit Ghamr ...	1.28	1.84	Samannud	1.5	1.3
Tanta	2.54	2.47	El-Fikriya	3.55	3.43	Bani Mazar ...	2.51	2.1
Assiut	2.48	2.53	Aswan	0.2	2.0	Sahel Selim ...	2.61	1.8
Mansura	2.97	2.22	Taiba	1.23	1.08	Ismailia	3.72	3.8
Beni-Suef	4.1	3.2	Esna	5.1	4.6	Fareskour	3.38	1.7
Zagazig	1.91	1.86	Disuq	3.31	2.8	Minia el-Qamh ...	2.51	2.4
Damanhour ...	5.35	5.28	Luxor	4.97	4.00	Abu-Tig	5.22	4.5
Shebin el-Kom ...	4.18	3.08	Kafr el Zayat ...	3.87	3.66	Ayat	1.3	1.11
Suhag	3.4	3.73	Fuwa	2.62	3.2	Dekernis	1.4	2.00
Minia	1.86	1.23	Ashmun	4.02	4.49	Aga	5.03	2.3
Fayum	6.48	5.12	Minouf	4.48	3.6	Tema	3.4	3.1
Benha	2.37	2.65	Tala	6.04	6.02	Bulaq	0.7	1.3
Port Said	1.85	1.66	Rosetta	2.28	1.9	Bagour	5.1	3.7
Qena	1.58	1.72	Faqus	4.18	5.4	Sobk El-Dahak...	7.5	6.2
Giza	2.97	2.74	Girga	5.7	3.76	Itsa	4.1	4.4
Maghagha	6.05	3.28	Dilingat	4.3	4.6	Zawyet-el-Noura	4.1	—
Rod el Farag ...	3.61	3.69	Saff	4.26	3.7	El-Arish	—	—
Mataria	2.24	1.87	Edfu	—	5.1	Anshas	1.3	1.3
Santa	3.4	1.04	Sherbin	5.6	2.2	Qalyub	0.12	1.1
Mahalla el Kobra	2.66	2.52	Sinbellawein ...	5.2	4.3	Kom-Ombo ...	2.1	4.1

TABLE 13.—BLINDNESS AMONG OUT—PATIENTS SINCE 1909

Year	Total Number of Patients examined	One Eye including Cataract Cases		Both Eyes including Cataract Cases		One Eye and both Eyes including Cataract Cases		One Eye excluding Cataract Cases		Both Eyes excluding Cataract Cases		One Eye and both Eyes excluding Cataract Cases	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1909...	22,373	2,116	9.4	1,385	6.1	3,501	15.6	—	—	—	—	—	—
1910...	25,506	3,438	9.5	2,010	7.8	4,448	17.4	—	—	—	—	—	—
1911...	31,274	3,196	10.2	2,811	8.9	6,007	19.2	—	—	—	—	—	—
1912...	43,668	4,110	9.4	2,824	6.4	6,939	15.2	—	—	—	—	—	—
1913...	62,233	5,361	8.6	3,878	6.2	9,238	14.8	—	—	—	—	—	—
1914...	75,398	6,425	8.5	3,591	4.8	10,016	13.2	—	—	—	—	—	—
1915...	71,930	5,637	7.8	2,992	4.2	8,629	12.0	—	—	—	—	—	—
1916...	94,447	7,042	7.4	3,504	3.7	10,546	11.2	—	—	—	—	—	—
1917...	100,410	9,285	9.3	4,611	4.6	12,996	13.9	—	—	—	—	—	—
1918...	90,668	8,969	9.9	4,261	4.7	13,230	14.6	—	—	—	—	—	—
1919...	83,577	8,537	10.2	4,278	5.1	12,815	15.3	—	—	—	—	—	—
1920...	108,113	9,833	9.1	5,154	4.7	14,987	13.8	—	—	—	—	—	—
1921...	127,223	10,566	8.3	5,053	3.9	15,619	12.2	—	—	—	—	—	—
1922...	147,492	12,524	8.5	4,858	3.3	17,374	11.8	—	—	—	—	—	—
1923...	174,004	14,394	8.3	5,146	2.9	19,540	11.2	—	—	—	—	—	—
1924...	206,342	16,535	8.0	5,716	2.4	22,251	10.8	—	—	—	—	—	—
1925...	246,771	19,422	7.9	6,137	2.5	25,559	10.4	—	—	—	—	—	—
1926...	283,602	21,979	7.7	6,702	2.6	28,681	10.1	—	—	—	—	—	—
1927...	361,577	26,591	7.4	8,689	2.4	35,280	9.8	—	—	—	—	—	—

TABLE 14.—YEARLY PERCENTAGE OF BLINDNESS AMONG OPHTHALMIC HOSPITALS, PATIENTS SINCE THE YEAR 1909

Year	Percentage of Blindness in one or bothEyes including Cataract Cases	Percentage of Blindness in one or bothEyes excluding Cataract Cases	Year	Percentage of Blindness in one or bothEyes including Cataract Cases	Percentage of Blindness in one or bothEyes excluding Cataract Cases
1909	15·6	—	1930	8·4	—
1910	17·4	—	1931	7·3	6·9
1911	19·2	—	1932	6·9	6·5
1912	15·2	—	1933	6·7	6·4
1913	14·8	—	1934	6·2	5·9
1914	13·2	—	1935	6·0	5·7
1915	12·0	—	1936	5·7	5·7
1916	11·2	—	1937	5·8	5·5
1917	13·9	—	1938	5·9	5·5
1918	14·6	—	1939	4·6	4·5
1919	15·3	—	1940	4·4	4·2
1920	13·8	—	1941	4·1	3·9
1921	12·2	—	1942	4·1	3·9
1922	11·8	—	1943	4·2	4·0
1923	11·2	—	1944	3·9	3·7
1924	10·8	—	1945	3·9	3·7
1925	10·4	—	1946	3·9	3·6
1926	10·1	—	1947	3·6	3·3
1927	9·8	—	1948	3·4	3·2
1928	9·3	—	1949	3·0	2·8
1929	8·4	—			

TABLE 15.—INCIDENCE OF PRIMARY GLAUCOMA DURING 1949

Varieties	1949
Acute	522
Sub-acute	1,259
Chronic	3,625
TOTAL	5,406
Total number of patients examined	1,331,904
Percent of glaucoma cases	0·4
Percent of absolute glaucoma cases	0·16
<i>Operations :</i>	
Iridectomy	571
Trephining with iridectomy	756
Including absolute monocular and binocular	2,138

TABLE 16.—INCIDENCE OF PRIMARY GLAUCOMA DURING 1938-1949.

VARIETIES	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
Acute	218	276	210	156	104	145	184	218	198	236	477	522
Sub-acute	769	882	1,020	1,528	1,653	792	967	1,251	1,187	1,127	1,234	1,259
Chronic	7,975	7,068	6,622	5,849	4,989	4,319	4,339	4,200	4,191	3,652	4,513	3,625
TOTAL	8,962	8,226	7,852	7,533	6,746	5,256	5,490	5,669	5,576	5,015	6,224	5,406
Total number of patients examined	1,356,116	1,539,717	1,623,890	1,431,858	1,466,616	1,256,641	1,303,249	1,286,726	1,298,280	1,154,488	1,241,998	1,331,904
Percent of glaucoma cases	0.66	0.53	0.48	0.52	0.45	0.42	0.42	0.44	0.43	0.43	0.35	0.4
Percent of absolute glaucoma	0.29	0.26	0.23	0.25	0.22	0.19	0.11	0.17	1.18	0.19	0.2	0.16
Operations :												
Iridectomy	1,734	1,852	1,671	166	1,587	1,077	1,082	1,074	944	784	614	571
Trephining with iridectomy	1,451	1,522	1,512	1,382	1,289	1,100	1,144	1,029	922	782	659	756

TABLE 17.—TISSUES HARDENED. SECTIONS CUT AND EXAMINED MICROSCOPICALLY AT THE MEMORIAL OPHTHALMIC LABORATORY, GIZA, DURING 1949.

Lids and eyebrow :—		Lens :—	
Inflammations	8	Degeneration	—
Tumours { Benign, including cysts	32	Cataract	8
{ Malignant	22	Dislocation	—
Conjunctiva :—		Choroid :—	
Foreign body	—	Inflammation	—
Inflammations	14	Degeneration, including ossification	6
Bilharzia	—	Injury	—
Degeneration	15	Tumours, malignant	3
Tumours { Benign, including cysts	34	Detachment	—
{ Malignant	7	Vitreous :	
Limbus :—		Other conditions	—
Inflammation	5	Retina and Optic Nerve :—	
Tuberculosis	—	Detachment	9
Tumours { Benign, including cysts	23	Inflammation	1
{ Malignant	15	Degeneration	20
Cornea :—		Tumours { Benign	—
Wounds	3	{ Malignant	8
Inflammation, including ulceration	—	Orbit :—	
Degeneration	16	Gumma	—
Staphyloma	16	Inflammation	—
Tumours { Benign	—	Tumours { Benign, including cysts	1
{ Malignant	—	{ Malignant	5
Sclerotic :—		Other animals (horses, mules and donkeys)	27
Wounds	1	Smears from conjunctiva	7,440
Inflammations	—	Mantoux test	107
Tumours { Benign	—	Lacrimal Glands :—	
{ Malignant	6	Degeneration	—
Iris and Ciliary Body :—		Inflammation	—
Wounds	1	Tumours { Benign, including cysts	1
Inflammations	5	{ Malignant	—
Degeneration	2		
Tumours { Benign, including cysts	—		
{ Malignant	—		

TABLE 17 (contd.).—TISSUES HARDENED. ECCTIONS CUT AND EXAMINED MICROSCOPICALLY AT THE MEMORIAL OPHTHALMIC LABORATORY GIZA, DURING 1949.

Lacrima Sac Canaliculi :—		Endogenous	—
Degeneration	—	Sympathetic ophthalmia	2
Argyrosis	—	Phthisis bulbi : —	
Inflammation	4	Causes undetermined	—
Tumours	3	Trauma	2
Glaucoma :—		Inflammation	—
Primary	1	Post operative	—
Secondary inflammation iridocye- litis	1	Fly blown orbit	—
Anterior synechia or adh. leucoma	11	Un classified	35
Luxation of lens	—	Undetermined	1
Retina and choroid... ..	—	Examination of cells : —	
Infantile	—	Eosinophillia Positive	93
Porouphthalmitis and endophthal- mitis : —		Negative	79
Endophthalmitis	1	Special bacteriological examination (smears not included)	261
Exogenous	—	Exam. of blood, urine and faeces ...	77
			8,732

TABLE 18.—WASSERMAN TEST

Positive	307
Negative	2,045
Doubtful	7
Unfit	277
Anticomplementary	—
TOTAL ...	2,636

TABLE 19.—RESULT OF EXAMINATION OF DIPHTHERIA SPECIMENS

Positive	—
Negative	39
Overgrown	—
Sterile	—
Unfit	—
TOTAL ...	39

TABLE 20.—NUMBERS OF BEDS AT ALL OPHTHALMIC HOSPITALS DURING 1949.

Hospital	Number of Beds	Hospital	Number of Beds	Hospital	Number of Beds
No. 1... ..	32	Samalout	21	Shebinel Qanater ...	12
„ 2... ..	30	Kafr el Sheikh... ..	30	Belbeis	12
„ 3... ..	30	Minshat Sabri	12	El Fashn	12
„ 4... ..	30	El Khalifa	16	Baliana	12
„ 5... ..	30	Zefta	2	Qus	12
„ 6... ..	30	Tahta	30	Shubrakhit	12
„ 7... ..	30	Manfalut	30	Akhmim	12
„ 8... ..	30	Sinnures	30	Naga Hammadi ...	14
„ 9... ..	30	Abu-Kebir	30	Beba	12
„ 10... ..	30	Damietta	35	Kafr el Dawar	8
„ 11... ..	30	Suez	25	Deshna	8
„ 12... ..	30	Kom Hamada	11	Badari	10
„ 13... ..	30	Mallawi	11	Samannud	10
„ 14... ..	30	Mit Ghamr... ..	12	Bani Mazar	8
„ 15... ..	30	Fikriya	13	Sahel Selim	8
Tanta	43	Aswan	25	Ismailia	14
Assiut	56	Taiba	15	Faraskur	8
Mansura	78	Esna	23	Minia el Qamh... ..	8
Beni-Suef	89	Disuq	6	Abu-Tig	8
Zagazig	36	Luxor	25	Ayyat	16
Damanhour	31	Kafr el Zayat	8	Dekernis	8
Shibin el Kom	27	Fuwa	6	Aga	8
Suhag	23	Ashmoun	12	Tema	—
Minia	25	Minuf	16	Bulaq	6
Fayoum	51	Tala	12	Bagour	—
Benha	81	Rosetta	12	Sobk El Dahak. ...	4
Port Said	54	Faqus	12	Itsa	12
Qena	31	Girga	12	Zawiet el Nawra ...	8
Giza	68	Dilingat	12	Arish	—
Maghagha	17	Saff	12	Anshas	7
Rod el Farag	155	Edfu	14	Qalyub	24
Mataria	24	Sherbin	12	Kom-Ombo	6
Santa	10	Senbellawein	12	Mataana	—
Mahalla el Kobra ...	12	Wasta	12		
Edfina	45	Deirut	12	TOTAL	2,285

TABLE 21.—COST OF UNIFORM DIETS FOR ALL IN-PATIENTS AT OPHTHALMIC HOSPITALS
DURING 1949, EXCLUDING COST OF RATIONS OF EMPLOYEES

Hospital				Number of Diets issued	Total Cost	Cost per day per Head	Hospital				Number of Diets issued	Total Cost	Cost per day per Head
No.	1...	...	...	8,750	848	65	Minia	...	...	...	6,142	374	60
,,	2...	...	...	4,325	285	62	Fayum	...	...	...	15,712	911	58
,,	3...	...	...	—	—	—	Benha	...	...	...	16,828	1,296	77
,,	4...	...	...	3,629	324	85	Port-Said	...	...	...	14,198	979	76
,,	5...	...	...	4,247	271	64	Qena	...	...	...	6,048	333	55
,,	6...	...	...	3,684	228	62	Giza	...	...	...	21,351	1,238	58
,,	7...	...	...	5,217	261	50	Maghagha	...	...	...	3,938	236	60
,,	8...	...	...	6,265	232	71	Rod el Farag	...	...	...	43,180	3,022	70
,,	9...	...	...	4,120	272	66	Mataria	...	...	...	7,125	577	81
,,	10...	...	...	2,715	163	60	Santa	...	...	...	3,129	316	151
,,	11...	...	...	4,192	264	63	Mehalla el Kobra	...	...	...	2,746	412	150
,,	12...	...	...	2,410	140	58	Idfina	...	...	...	4,803	293	61
,,	13...	...	...	6,385	383	60	Samalut	...	...	...	6,415	334	52
,,	14...	...	...	4,815	308	64	Kafr el Sheikh	...	...	...	7,832	486	55
,,	15...	...	...	1,392	78	56	Minshat Sabry	...	...	...	3,220	167	52
Tanta	...	...	...	11,980	743	62	Khalifa	...	...	...	5,180	311	60
Assiut	...	...	...	16,035	1,026	64	Zifta	...	...	...	580	37	63
Mansura	...	...	...	18,862	1,019	54	Tahta	...	...	...	8,412	429	51
Beni-Suef	...	...	...	24,840	1,764	71	Manfalut	...	...	...	6,330	348	55
Zagazig	...	...	...	942,0	603	64	Qaliub	...	...	...	5,980	508	85
Damanhur	...	...	...	10,114	516	51	Kom-Ombo	...	...	...	1,421	82	58
Shebin el Kom...	...	...	...	8,350	509	61	Sinnoures	...	...	...	10,132	608	60
Suhag	...	...	...	8,260	438	53	Abu-Kebir	...	...	...	2,880	236	82

SCALE OF FULL DIET AS GIVEN TO ALL IN-PATIENTS AT ALL OPHTHALMIC HOSPITALS

						Grs.							Grs.
Bread	...	...	...	...	...	450	Milk	...	...	...	...	...	200
Beef	...	...	...	...	...	150	Butter	...	...	...	...	...	15
Vegetables	...	...	...	...	...	150	Sugar	...	...	...	...	...	30
Lentils	...	...	...	...	...	75	Salt	...	...	...	...	...	20
Rice	...	...	...	...	...	75							

TABLE 22.—ACTUAL EXPENDITURE : (A) GENERAL ADMINISTRATION

	L.E.
Pensionable staff	6,027
Hors cadre staff	620
Transport, transfer and travelling allowance ...	117
Telephones	28
TOTAL	6,792

TABLE 23.—ACTUAL EXPENDITURE : (B) GOVERNMENT
OPHTHALMIC HOSPITALS

Chapter	Total actual Expenditure
	L.E.
Pensionable staff	65,150
Hors cadre staff	80,329
Transport, transfer and travelling allowance ...	1,182
Food	30,308
Forage... ..	—
Water	2,120
Light	983
Disposal of sewage	140
Fuel	1,618
Rent	172
Telegrams and Telephones	28
Stores	6,212
General Equipment	1,935
Surgical	1,630
Surgical Equipment	4,210
„ Instrument	1,716
Drugs	598
Dressings	—
Petty expenses	1,082
TOTAL	199,413

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